

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-210489

(43)Date of publication of application : 03.08.2001

(51)Int.Cl.

H05B 41/24

H01J 65/04

(21)Application number : 11-352768

(71)Applicant : VICTOR CO OF JAPAN LTD

(22)Date of filing : 13.12.1999

(72)Inventor : YAMAMURA TAKASHI
OHARA TERUMI

(30)Priority

Priority number : 11325955 Priority date : 16.11.1999 Priority country : JP

(54) MICROWAVE DISCHARGE LIGHT SOURCE DEVICE AND PICTURE DISPLAY DEVICE USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To enable electron to emit light in a electrode-less lamp with ease.

SOLUTION: The microwave discharge light source device 10 characterized by the construction which comprises a magnetron 16 generating microwave; a resonator 11 with an opening part 11a1 emitting light while making microwave resonate; an electrode-less lamp 14 constructed integrally with first lamp part 14a mounted in the resonator, sealing rare gas 15a and discharging media 15b inside, discharging by dint of the microwave, formed in lengthened shape turning its longitudinal direction toward the opening, and the second lamp part 14b sealing only the rare gas 15a discharging by dint of microwave, formed so as to cover the longitudinal peripheral part of the first lamp part, and magnetic force generating means 12, 13 generating lines of magnetic force parallel to the longitudinal direction of the first lamp part of the electrode-less lamp and the direction of the light emitted from the electrode less lamp.



